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1 [Type-Safe linking with recursive DLLs and shared libraries](#)

[Dominic Duggan](#)

November 2002 **Transactions on Programming Languages and Systems (TOPLAS)** , Volume 24 Issue 6

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (658.62 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 60, Downloads (Overall): 486, Citation Count: 7

Component-based programming is an increasingly prevalent theme in software development, motivating the need for expressive and safe module interconnection languages. Dynamic linking is an important requirement for module interconnection languages, as ...

Keywords: Dynamic Linking, Module Interconnection Languages, Recursive Modules, Shared Libraries

2 [Modeling methodology for integrated simulation of embedded systems](#)

[Akos Ledeczki](#), [James Davis](#), [Sandeep Neema](#), [Aditya Agrawal](#)

January 2003 **Transactions on Modeling and Computer Simulation (TOMACS)** , Volume 13 Issue 1

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (951.86 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 94, Downloads (Overall): 1271, Citation Count: 6

Developing a single embedded application involves a multitude of different development tools including several different simulators. Most tools use different abstractions, have their own formalisms to represent the system under development, utilize different ...

Keywords: Simulation, domain specific languages, metamodeling, model integrated computing, modeling, simulation integration

3 [The model-assisted global query system for multiple databases in distributed enterprises](#)

[Waiman Cheung](#), [Cheng Hsu](#)

October 1996 **Transactions on Information Systems (TOIS)** , Volume 14 Issue 4

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (697.73 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 99, Downloads (Overall): 773, Citation Count: 7

Today's enterprises typically employ multiple information systems, which are independently developed, locally administered, and different in logical or physical designs. Therefore, a fundamental challenge in enterprise information management is the sharing ...

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4 [Can GRID services provide answers to the challenges of national health information sharing?](#)

[L. Bilykh](#), [Y. Bychkov](#), [D. Dahlem](#), [J. H. Jahnke](#), [G. McCallum](#), [C. Obry](#), [A. Onabajo](#), [C. Kuziemsky](#)

October 2003 **CASCON '03: Proceedings of the 2003 conference of the Centre for Advanced Studies on Collaborative research**

Publisher: IBM Press

Full text available:  [Pdf](#) (964.34 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 127, Downloads (Overall): 2222, Citation Count: 1



It has been widely recognized that one of the keys to cost reduction and service improvement in national health care lies in the integration of medical information system. Integration of information can not only improve care delivery today, but it can ...

5 [Coedition to share text revision across languages and improve MT a posteriori](#)

[Christian Boitet](#), [Tsai Wang-Ju](#)

September 2002 **COLING-02 on Machine translation in Asia - Volume 16**, Volume 16

Publisher: Association for Computational Linguistics

Full text available:  [Publisher Site](#),  [Pdf](#) (117.30 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 8, Downloads (Overall): 33, Citation Count: 0

Coedition of a natural language text and its representation in some interlingual form seems the best and simplest way to share text revision across languages. For various reasons, UNL graphs are the best candidates in this context. We are developing ...

Keywords: interlingual representation, multilingual communication, revision sharing, text / UNL coedition

6 [Network architecture and traffic transport for integrated wireless communications over enterprise networks](#)

[Henry C.B. Chan](#), [Victor C. M. Leung](#), [Robert W. Donaldson](#)

August 1997 **Wireless Networks**, Volume 3 Issue 3

Publisher: Kluwer Academic Publishers


Full text available:  [Pdf](#) (455.85 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 40, Downloads (Overall): 536, Citation Count: 0


A novel network architecture based on the IEEE 802.6 metropolitan area networks (MAN) is proposed to integrate the wireless and wired segments of a regional enterprise network (REN) within a city. This architecture functions like a distributed switch ...

7 [Surviving your success](#)

 [Jen Whiting](#), [Pete Evere](#)

October 2001 **SIGUCCS '01: Proceedings of the 29th annual ACM SIGUCCS conference on User services**

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (332.53 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 14, Downloads (Overall): 170, Citation Count: 0

University-based help desks create a unique dilemma in their success. As customers realize your help desk has answers, and talented staff willing to assist them, you will create everything you most fear:

- Increased call volume
- Increased ...

Keywords: communication, help desk managers, tools for success, your worst nightmare

8 [A study of performance on SMP and distributed memory architectures using a shared memory programming model](#)



Eugene D. Brooks, III, Karen H. Warren

November 1997 **Supercomputing '97**: Proceedings of the 1997 ACM/IEEE conference on Supercomputing (CDROM)

Publisher: ACM

Full text available: Pdf (72.50 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 26, Downloads (Overall): 292, Citation Count: 0

In this paper we examine the use of a shared memory programming model to address the problem of portability of application codes between distributed memory and shared memory architectures. We do this with an extension of the Parallel C Preprocessor. ...

Keywords: distributed memory, parallel C, shared memory, type qualifier

9 [Annotation graphs and servers and multi-modal resources: infrastructure for interdisciplinary education, research and development](#)

Christopher Cieri, Steven Bird

July 2001 **Proceedings of the ACL 2001 Workshop on Sharing Tools and Resources - Volume 15**, Volume 15

Publisher: Association for Computational Linguistics

Full text available: Publisher Site , Pdf (197.99 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 12, Downloads (Overall): 33, Citation Count: 1

Annotation graphs and annotation servers offer infrastructure to support the analysis of human language resources in the form of time-series data such as text, audio and video. This paper outlines areas of common need among empirical linguists and computational ...

10 [Supporting management reporting: a writable web case study](#)



Timothy Miles-Board, Leslie Carr, Simon Kampa, Wendy Hall

May 2003 **WWW '03**: Proceedings of the 12th international conference on World Wide Web

Publisher: ACM

Full text available: Pdf (1.17 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 54, Downloads (Overall): 966, Citation Count: 2

The World-Wide Web was originally developed as a shared, writable, hypertext medium, a facility that is still widely needed. We have recently developed a Web-based management reporting system for a legal firm in an attempt to improve the efficiency and ...

Keywords: hypertext writing, management reporting, open hypermedia, structural computing

11 [Type-based hot swapping of running modules \(extended abstract\)](#)



Dominic Duggan

October 2001 **ICFP '01**: Proceedings of the sixth ACM SIGPLAN international conference on Functional programming

Publisher: ACM Request Permissions

Full text available: Pdf (150.34 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 42, Downloads (Overall): 299, Citation Count: 14

While dynamic linking has become an integral part of the run-time execution of modern programming languages, there is increasing recognition of the need for support for hot swapping of running modules, particularly in long-lived server applications. The ...

Keywords: dynamic typing, hot swapping, module interconnection languages, shared libraries

Also published in:

October 2001 **SIGPLAN Notices** Volume 36 Issue 10

12 [Formalizing the safety of Java, the Java virtual machine, and Java card](#)



[Pieter H. Hartel, Luc Moreau](#)

December 2001

Computing Surveys (CSUR) , Volume 33 Issue 4

Publisher: ACM

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Full text available: [Pdf](#) (442.86 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 60, Downloads (12 Months): 442, Downloads (Overall): 2861, Citation Count: 13

We review the existing literature on Java safety, emphasizing formal approaches, and the impact of Java safety on small footprint devices such as smartcards. The conclusion is that although a lot of good work has been done, a more concerted effort is ...

Keywords: Common criteria, programming

13 [WebExpress: a client/intercept based system for optimizing Web browsing in a wireless environment](#)

[Barron C. Housel, George Samaras, David B. Lindquist](#)

December

Mobile Networks and Applications , Volume 3 Issue 4

1998

Publisher: Kluwer Academic Publishers

Full text available: [Pdf](#) (338.35 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 30, Downloads (Overall): 434, Citation Count: 10

This paper describes an application model and software technology that makes it possible to run World Wide Web applications in wide area wireless networks. Web technology in conjunction with today's mobile devices (e.g., laptops, notebooks, personal ...

14 [Power to the people: end-user building of digital library collections](#)



[Ian H. Witten, David Bainbridge, Stefan J. Boddie](#)

January

JCDL '01: Proceedings of the 1st ACM/IEEE-CS joint conference on Digital libraries

2001

Publisher: ACM

[Request Permissions](#)

Full text available: [Pdf](#) (402.80 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 50, Downloads (Overall): 823, Citation Count: 5

Naturally, digital library systems focus principally on the reader: the consumer of the material that constitutes the library. In contrast, this paper describes an interface that makes it easy for people to build their own library collections. Collections ...

15 [Complete answer aggregates for treelike databases: a novel approach to combine querying and navigation](#)



[Holger Meuss, Klaus U. Schulz](#)

April

Transactions on Information Systems (TOIS) , Volume 19 Issue 2

2001

Publisher: ACM

[Request Permissions](#)

Full text available: [Pdf](#) (356.60 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 32, Downloads (Overall): 484, Citation Count: 4

The use of markup languages like SGML, HTML or XML for encoding the structure of documents or linguistic data has lead to many databases where entries are adequately described as trees. In this context querying formalisms are interesting that offer the ...


Keywords: SGML, XML, answer presentation, information retrieval, logic, query languages, semistructured data, structured documents, tree databases, tree matching

16 [Practical experience in the numerical dangers of heterogeneous computing](#)

 [L. S. Blackford, A. Cleary, A. Petitet, R. C. Whaley, J. Demmel, L. Dhillon, H. Ren, K. Stanley, J. Dongarra, S. Hammarling](#)

June 1997 **Transactions on Mathematical Software (TOMS)** , Volume 23 Issue 2

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (115.00 KB)


[Additional Information:](#) [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 35, Downloads (Overall): 280, Citation Count: 3

Special challenges exist in writing reliable numerical library software for heterogeneous computing environments. Although a lot of software for distributed-memory parallel computers has been written, porting this software to a network of workstations ...



Keywords: distributed-memory systems, floating-point arithmetic, heterogeneous processor networks, message passing, numerical software, reliability

17 [The SI challenge in health care](#)

 [Jane Grimson, William Grimson, Wilhelm Hasseibring](#)

June 2000 **Communications of the ACM** , Volume 43 Issue 6


Publisher: ACM  [Request Permissions](#)

Full text available:  [Html](#) (41.25 KB),  [Pdf](#) (99.70 KB)

[Additional Information:](#) [full citation](#), [references](#), [cited by](#), [index terms](#), [review](#)


Bibliometrics: Downloads (6 Weeks): 51, Downloads (12 Months): 312, Downloads (Overall): 3005, Citation Count: 14

18 [J and Dyalog APL sharing resources: can't we all just get along?](#)

 [Devon H. McCormick](#)

July 2002 **APL '02: Proceedings of the 2002 conference on APL: array processing languages: lore, problems, and applications**

Publisher: ACM

Full text available:  [Pdf](#) (178.58 KB)


[Additional Information:](#) [full citation](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 17, Downloads (Overall): 170, Citation Count: 0

Also published in:


June 2002 **SIGAPL APL Quote Quad** Volume 32 Issue 4

19 [The design, implementation, and evaluation of Jade](#)

 [Martin C. Rinard, Monica S. Lam](#)

May 1998 **Transactions on Programming Languages and Systems (TOPLAS)** , Volume 20 Issue 3

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (576.88 KB)

[Additional Information:](#) [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 126, Downloads (Overall): 682, Citation Count: 11

Jade is a portable, implicitly parallel language designed for exploiting task-level concurrency. Jade programmers start with a program written in a standard serial, imperative language, then use Jade constructs to declare how parts of the program access ...

Keywords: parallel computing, parallel programming languages

20 [Converting call-by-reference to call-by-value: Fortran and Lisp coexisting](#)



[Richard J. Fateman, Raymond Toy](#)

August 2003 **ISSAC '03: Proceedings of the 2003 international symposium on Symbolic and algebraic computation**

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (149.58 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 34, Downloads (Overall): 368, Citation Count: 0

Programs written in languages supporting call-by-reference continue to be of interest in functional programming circumstances where call-by-value is standard. In particular, if we can find a neat interface, by converting Fortran to Lisp we allow programmers ...

Keywords: call, conversion, fortran, lisp

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